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DSSD CENSUS 2000 PROCEDURES AND OPERATIONS MEMORANDUM SERIES #R-33

MEMORANDUM FOR Howard Hogan
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Subject: Accuracy and Coverage Evaluation Survey: Sample Design
 Summary

Attached is a table summarizing the Accuracy and Coverage Evaluation (A.C.E.) sample size after each phase of sampling for the United States and Puerto Rico. For the most part, the numbers in the table can be found in the results memoranda issued at the conclusion of each sampling operation. The dates given in the table are the production dates.

The first-phase sample is a sample of block clusters for which an independent address list was created. This includes a separate sample of American Indian Reservation clusters. The results of this phase of sampling, including state distributions, are documented in reference 1.

The second-phase sample is a reduction of the first-phase sample which occurred after the independent listing was completed. The reduction was accomplished in two separate operations: 1) medium and large block cluster reduction and 2) small block cluster reduction. All first-phase block clusters on American Indian Reservations are in the second-phase sample. The results of these two operations are documented in references 2 and 3, respectively. Note that preliminary independent listing estimates were used in the medium and large cluster reduction while the final independent listing numbers were used for the small block cluster reduction. At the conclusion of the small block cluster reduction, the status¹ of five housing units in non-small block clusters was not known. Therefore, the housing unit totals in reference 3 are five fewer than the second-phase housing unit numbers in the attached table.

¹The status of a unit refers to whether it is intended for occupancy, boarded-up, under construction, etc.

The within-cluster reduction is a subsample of A.C.E. housing units in large block clusters following the A.C.E. housing unit matching and follow-up operation. The results of this sampling operation are documented in reference 4. This is the number of housing units which will be sent to person interviewing.

REFERENCES

- 1 DSSD Census 2000 Procedures and Operations Memorandum Series R-16, "Accuracy and Coverage Evaluation Survey: Initial Listing Sample Results," June 25, 1999
 - 2 DSSD Census 2000 Procedures and Operations Memorandum Series R-23, "Accuracy and Coverage Evaluation Survey: Approval and Summary of Results of the Reduction Sample," January 21, 2000
 - 3 DSSD Census 2000 Procedures and Operations Memorandum Series R-25, "Accuracy and Coverage Evaluation: Small Block Cluster Subsampling Approval and Summary of Results," February 10, 2000
 - 4 DSSD Census 2000 Procedures and Operations Memorandum Series R-32, "Accuracy and Coverage Evaluation Survey: Large Block Cluster Subsampling Approval and Summary of Results," May 30, 2000
- cc: DSSD Census 2000 Procedures and Operations Memorandum Series Distribution List
A.C.E. Implementation Team Leaders Distribution List
Statistical Design Team Leaders Distribution List
Sample Design Team

Census 2000 Accuracy and Coverage Evaluation Sample Design Summary by Sampling Operation

Sampling Operation (start and finish date)	Block Clusters			Estimated Housing Units		
	U.S.	Puerto Rico	Total	U.S.	Puerto Rico	Total
1. First-Phase Sample (3/99 to 6/99)	29,136	559	29,695	1,989,420	50,530	2,039,950
2. Second-Phase Sample (12/99 to 2/00)	11,303	499	11,802	844,345	56,049	900,394
3. Within-Cluster Reduction (3/00 to 5/00)	11,303	499	11,802	300,913	13,736	314,649

The 355 clusters in the American Indian Reservation stratum are included in all the U.S. block cluster counts.

1. The housing unit estimates for the first phase are based on an early census address list counts (Spring, 1999).
2. The housing unit estimates for the second phase are based on final independent listing counts (January, 2000).
3. The housing unit estimates for the within-cluster reduction are based on the results of A.C.E. housing unit matching and follow-up (Spring, 2000).